



pH100 pH or mV/Temp Instrument

Accurate, economical handheld measurement

YSI's new line of compact, handheld instruments provides the most accurate data in the most affordable format. The instruments feature an easy-to-use interface, one-hand operation, water resistant case, and low cost of ownership over the life of the product. The pH100 measures pH or mV and temperature with the following features:



- Watertight housing
- Internal buffer recognition
- Auto/Manual temperature compensation
- Sensors are available as single parameter or combinations for pH or mV and temperature
- Low battery indicator
- Electrode offset recognition
- Autolock mode holds stable readings on display
- Displays electrode efficiency

The pH100 with one of the possible configurations using a combination 2-in-1 pH sensor and temperature sensor. Another option allows for a mV or pH sensor with a separate temperature sensor or flat tipped and piercing tipped probes.

The pH100 is designed for quick, accurate results in an economical platform. The ability to measure pH, mV, and temperature in a simple, compact instrument allows the instrument to be used in multiple applications. With a one-year instrument warranty, six-month electrode warranty, calibration backup, and a variety of cable/electrode options, the pH100 will fit your needs.

Pure
Data for a
Healthy
Planet.®

*Compact design and
affordable price*





To order, or for more information, contact YSI Environmental.

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the Planet?®

pH100 Instrument Specifications

| | | |
|-------------|------------|-------------------|
| Temperature | Range | -10 to +120°C |
| | Resolution | 0.1°C |
| | Accuracy | ±0.3°C ±2 digit |
| pH | Range | -2 to 16 units |
| | Resolution | 0.01 unit |
| | Accuracy | ±0.1% ±2 digit |
| mV | Range | -1999 to +1250 mV |
| | Resolution | 1 mV |
| | Accuracy | ±0.1% ±1 digit |

Additional Technical Specifications

Operating range:

Temperature: 0° to 50° C

Relative Humidity: up to 95%

Water resistance IP-65 water resistant, splash resistant

Size 70 mm width x 186 mm length (2.8 in. x 7.3 in.)

Weight with battery 430 grams (1 lb.)

ATC Probe Thermistor, 10kΩ / 25° C

Battery One 9 volt included with purchase

pH temp compensation Auto/Manual -10.0° C to 120.0° C

pH buffer recognition (4.01, 7.00, & 10.01) or (4.00, 6.86, & 9.18)

pH calibration temp 0° C to 60° C

pH offset recognition ±90 mV at pH 7.00 or 6.86

pH slope recognition ±30% at pH 4.00, 4.01, 9.18, or 10.01

Calibration back-up Yes

Audio feedback Yes, all keys

Autolock feature Yes

pH100 Ordering Information

| | |
|-------------------|--|
| pH100 | pH100 instrument |
| 100-1 | 1-meter waterproof Y-cable with combo pH electrode and temperature |
| 100-4 | 4-meter waterproof Y-cable with combo pH electrode and temperature |
| 111-1 | 1-meter piercing tipped double-junction electrode |
| 112-1 | 1-meter flat tipped double-junction electrode |
| 110-1 | 1-meter cable with pH electrode |
| 115-1 | 1-meter cable with mV electrode |
| 130-1 | 1-meter cable with temperature (ATC) probe |
| pH100CC-01 | Kit (pH100 instrument, 100-1 probe and cable, 180 hard-sided carrying case) |
| pH100CC-04 | Kit (pH100 instrument, 100-4 probe and cable, 180 hard-sided carrying case) |
| 160 | pH 4, 7, 10 electrode simulator (ensures instrument performance) |
| 180 | pH100 carrying case, hard sided, form fitted foam insert |
| 480 | Soft, black carrying case with shoulder strap, vinyl |

For more information about this product, please call YSI at 800-897-4151. You may also send e-mail inquiries to ecosense@ysi.com or visit www.ysiecoseNSE.com.